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Appendix G

FUNCTIONAL AREA TEMPLATE SUBROUTINES

Table G-1 shows the first level subroutines that implement various functional elements that comprise the functional area. The lists do not include routines called by the listed routine. However, the number in ( ) following the routine name is the number of subroutine calls that are that routine. A small number of calls does not necessarily indicate a small number

TABLE G-1. Functional Area Template Subroutine List.

Functional Area Template	Applicable Routines			
Aircraft Maneuver Selection	alt31 (4)	alt37 (3)	alt3d (3)	aslct3 (19)
	alt32 (4)	alt38 (17)	alt3e (3)	capturn (5)
	alt33 (10)	alt39 (2)	alt3g (1)	prmnlm(2)
	alt34 (10)	alt3a (6)	alt3_17 (6)	thrlim (2)
	alt35 (14)	alt3b (11)	al344 (9)	
	alt36 (2)	alt3c (2)	al347 (6)	
Maneuver Projection, Scoring	aeval3(22)	evdis (3)	evgrnd(12)	evmusp(3)
	aproj3(108)	evesc (1)	evilum (9)	evrte (2)
	eclin (4)	evevd (10)	evlosp (1)	evsep (7)
	evbddr (1)	evform(16)	evmaim(21)	evvec (0)
Aircraft Aerodynamics and Propulsion	acarea (1)	flact0 (5)	gldmx (1)	ratmx1(1)
	aoanow(7)	flact1 (14)	gwreq (20)	ratmx2 (1)
	effthr (3)	flacti (3)	seteng (3)	pnow (1)
	fflo (2)	flyac (21)	rates (8)	
Weapon Selection	adjenv (8)	evenvl (10)	rrthrt (0)	slwpn_ll(2)
	cantaq (0)	fctest (19)	selwpf (5)	wptgpr (15)
	chkwpn (3)	fcslct (6)	selwpn (11)	
	dsqual (0)	mislmd (8)	set_hldcod(7)	
Weapon Firing	aslct7 (18)	envlvl (1)	fctest (19)	shldfr (4)
	canfir (3)	fcfire (6)	mslenv (8)	
Flight Posture	aeval4 (8)	aproj4 (5)	tloss (0)	
	alt41 (3)	aslct4 (8)		
Radar Mode/Pattern/Position	rdrelv (27)	rrrule (4)	vscan (14)	
	rrsttv (14)	selrdr (19)		

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Comments on routines in the table:

a.   slwpn_ll is an entry point in the routine selwpi and selwpi was evaluated.

b.   rrthrt is a dummy routine and was not evaluated.

c.   cantaq and dsqual are inline functions in the routine wptgpr and wptgpr was evaluated.

of routines are involved as each called routine could contain several more calls to additional routines. Also, routines with a large number of calls could contain multiple calls to a small set of routines.